

VIII

Memoranda

H. S. Ladd

12
Notebook VIII

No. 1876
Date
Price \$10

Return to:

A. S. Ladd
4354 M^cPherson Ave.
St. Louis, Mo.

Aug 1923 - Sept. 1923. (Postage
Guaranteed)

Jackson & Granton Counties
Iowa

- Lathrop & Lathrop
Jackson Co., Mo.

- M. E. Iowa 1924.
- Ohio - Ind 1924.

Index

1-30 Geol. notes.

30-35 Orn. "

35-40 Ent.

38-40 Insects.

40-42 Work

42-45 Picture locations

45-70 Log

70-74 Food Acc.

74-75 Money

75-76 Correspondence

76-78 Lists.

Geology Notes

Thesis problem in Jackson and Clinton Counties, Iowa. - Aug. 1923.

(1) Study Ordovician inlier found in Fairfield and Van Buren ~~Counties~~ townships (Jackson Co.) - collect fossils.

(2) Study Pennsylvanian outlier found T84N, R15E - Sec. 23 (part) - collect fossils.

(3) Map boundary of Ord. inlier located in Fairfield and Van Buren Townships (Jackson Co.) Is it correctly mapped in Jackson Co.? Does it extend into Clinton Co.?

(4) Study belt of Ordovician (Maquoketa) along Miss. R. in Washington Township. What relation does the Maquoketa along the Miss. R. bear to that of the inlier to the

southwest? Is the inlier due to:

@ topography? - obviously not.
@ unconformity? - i. e. Does the inlier represent a high point of the eroded Ordovician surface? If so was it or was it not once covered by the Silurian seas? The presence of the outlier of Pennsylvanian (T84N, R. 14E, Sec. 32) lying directly upon the Ordovician indicates that there is a possibility that this Maquoketa was not covered by the Silurian seas but of course any silurian deposits which might have been present could have been eroded away before the deposition of the Pennsylvanian.

(c) structure? Is there any indication of low doming or folding or monoclinial dip which might explain its presence? (The general dip of the rocks of the state is to the south west so that there is little possibility of the outlier being due to structure.) The ~~gentle~~ ~~de~~ dendritic shape of the outcrop seems to indicate that the rocks are essentially horizontal.

(d) Is the inlier to be explained by a combination of the above factors and if so of which ones? Which ones are the most important?

: If the rocks of the inlier dip gently to the southwest as do most

of the rocks of the state
they will be considerably
younger than the rocks
of the same formation
outcropping along the Miss. R.
(Fossils should be carefully
collected in detailed sections
from ~~both~~ both localities)

(5) Study ~~four~~^{six} outcrops
of Pennsylvanian in Fairfield
and Maquoketa Townships.
Take number of dips &
strikes and try to work
up section in some detail
by careful collections of fossils.

(6) Study the two outcrops of
Pennsylvanian (T84N, R1E, Sec. 31,
32, 33) How do these tie up
with outcrops to the east. Collect
fossils carefully.

(7) Study outcrop to north
in same way (T85N, R1E, Sec. 11)

(8) Study so-called Devonian
outcrop (T85N, R1E, Sec. 18). Collect
fossils, study lithologic character
of rock, etc.

1913

1914

1915

53	53
180	82
233	133

The system of
navigation and
commerce in the
East has been
very much
altered since the
fall of the
British Empire
was established by
general
agreement of
the great
powers to
divide the
world among
themselves. The
British Empire
has been
reduced to
a small
portion of the
world's
surface.

The sea has
not been
the primary
factor in
the history of
the world. The
land has been
the primary
factor in
the history of
the world. The
sea has been
the secondary
factor in
the history of
the world. The
land has been
the primary
factor in
the history of
the world. The
sea has been
the secondary
factor in
the history of
the world.

May 1st - 1891
Left at 10:30 AM for
the field. The weather
was very hot and
sunny. We went to
the field and found
many things of
interest. The
lithology was
very different from
what we had
expected. The
strata were
very much
disrupted. The
fossils were
very abundant.
The fossils were
very different from
what we had
expected. The
strata were
very much
disrupted. The
fossils were
very abundant.

May 2nd - 1891
Left at 10:30 AM for
the field. The weather
was very hot and
sunny. We went to
the field and found
many things of
interest. The
lithology was
very different from
what we had
expected. The
strata were
very much
disrupted. The
fossils were
very abundant.
The fossils were
very different from
what we had
expected. The
strata were
very much
disrupted. The
fossils were
very abundant.
about 17 miles (or more)
20 miles east of St. Louis
June 1st - 1891
Left at 10:30 AM for
the field. The weather
was very hot and
sunny. We went to
the field and found
many things of
interest. The
lithology was
very different from
what we had
expected. The
strata were
very much
disrupted. The
fossils were
very abundant.

- ✓ Evidence of movement between
- Gal & Ill.
- ✓ - Collect fossils.
- ✓ - Type report
- ✓ - Prepare for Thor paper
- ✓ - Test samples
- Is deg. fauna everywhere phosphatic.

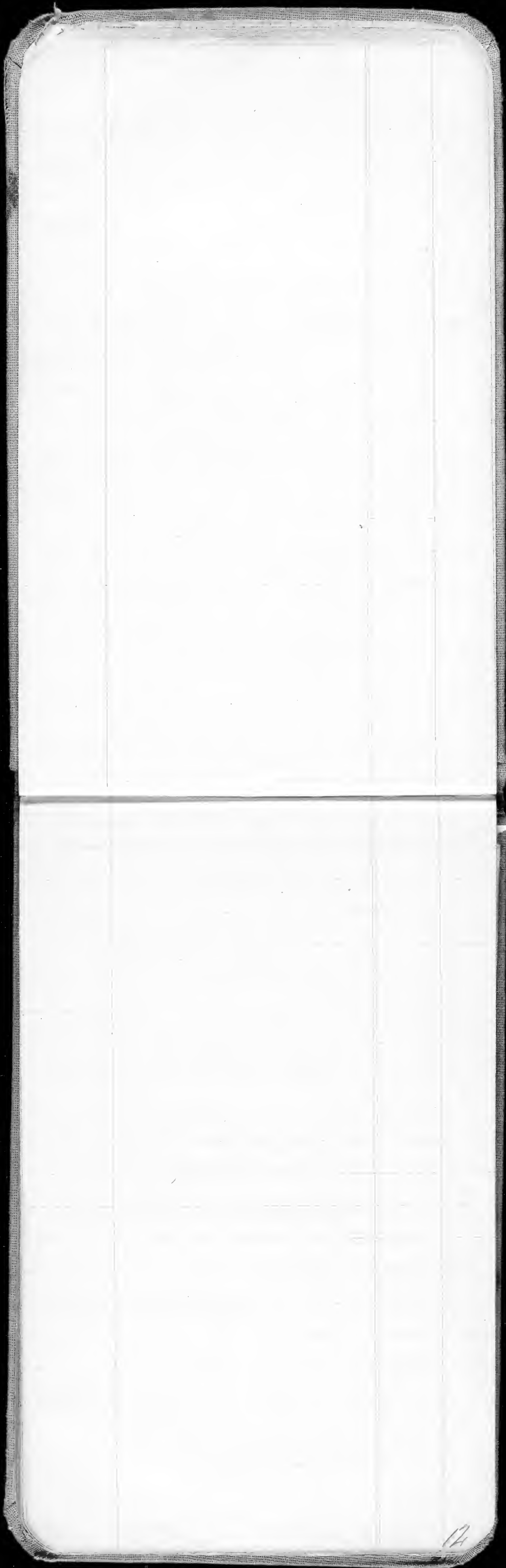
Crawfordsville & West Cim. Beds

{ Near
Crawfordsville Montgomery Co, Ind.
On bank of Rock Creek & Sugar
Creek.

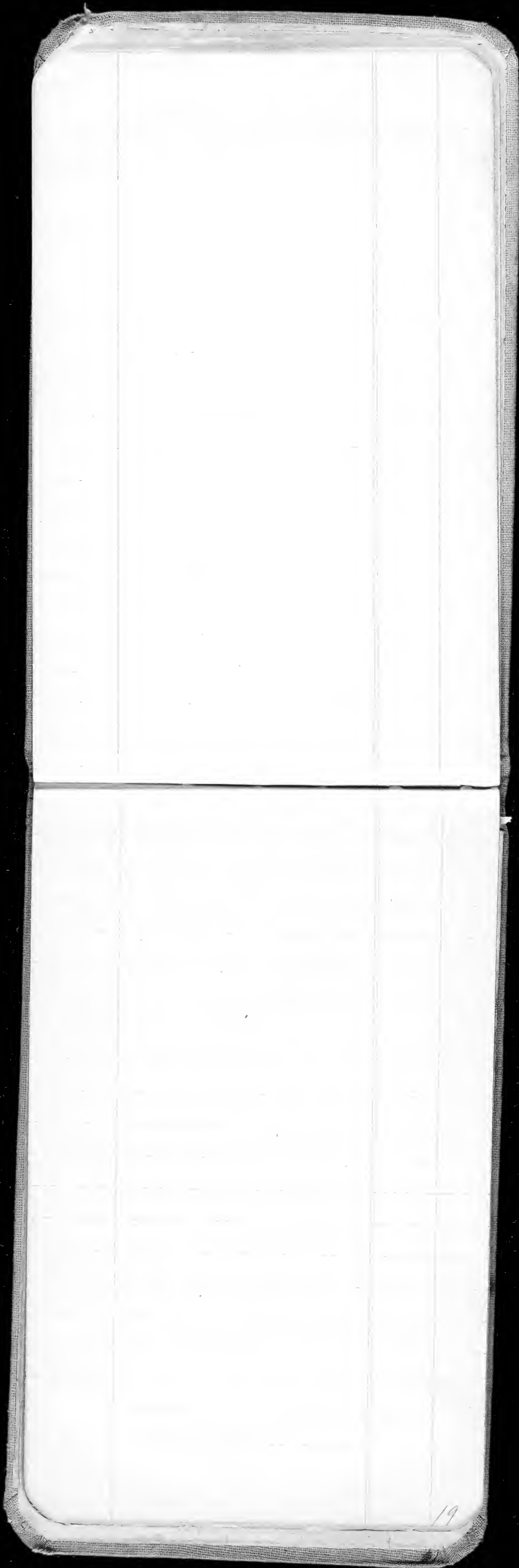
Visit. Delaford Wic, Crawfordsville,
Muncie, Savannah,
Stockton. Ill.

1897
 1st - 1st 1st
 2nd - 1st 1st
 3rd - 1st 1st

1st - 1st 1st
 2nd - 1st 1st
 3rd - 1st 1st
 4th - 1st 1st
 5th - 1st 1st
 6th - 1st 1st
 7th - 1st 1st
 8th - 1st 1st
 9th - 1st 1st
 10th - 1st 1st



12



Thurs. Sept. 2nd

Received letter from
To search with Thomas &
and Ray & his grand. Father
Sunday. To Belmont stopping
on way for an hour to see
Lundy. May. when we arrived
looked on. Arrived Belmont
about 8:30 PM. To
Mon. 3rd. In morning with
J. L. L. L.

Fri. Sept. 5th

Worked in garden in
morning. Then
telling family. Looked up
upstairs. Then to
Lundy. Then to
to office till 2:30 PM

Sat Sep 6th
Spent the day in school, till
noon. Then I went to
work. There was no
school due to no school.
Then I went to the
bank till late, with
Bennett.

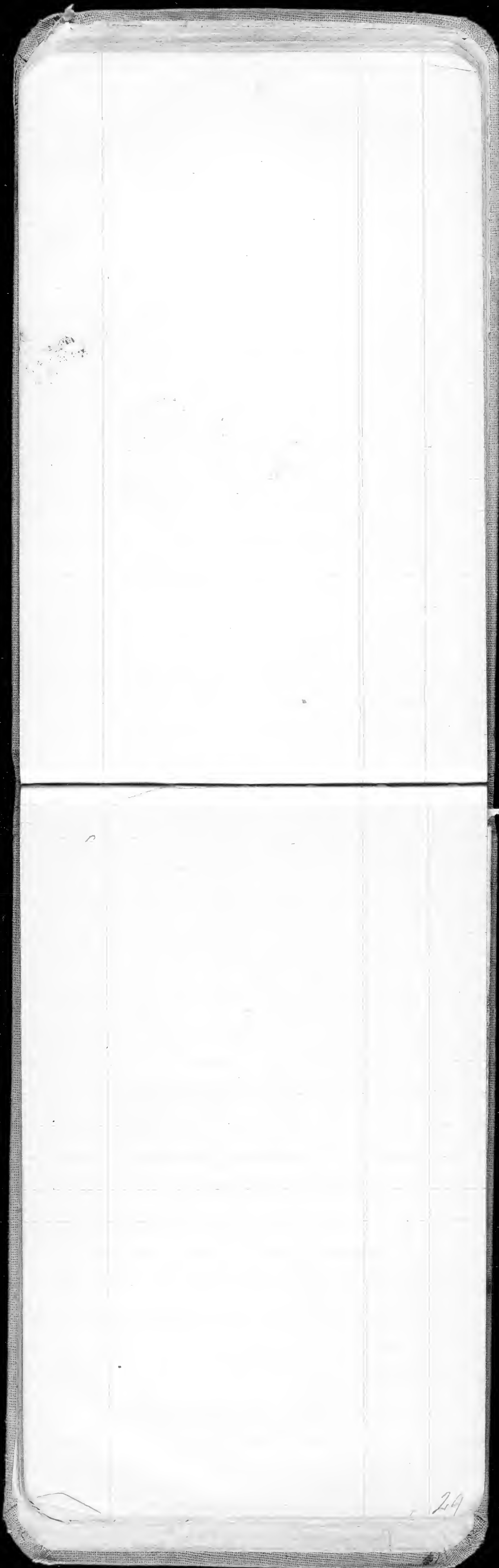
Sun Sep 7th
Looked at Benn map
etc. till 10⁰⁰ till
Saguenay by way
of the lake, White Lake
Jesse Valley. Then
about 9⁰⁰ - 10⁰⁰ went
with John till just
midnight.

Mon Sep 8th
Took the train to
for auto. I got out
at the station for Turnbull

she will not return
To see new apt. with
Dotter. A satisfactory
talk with Mr. Court
Shapiro. After dinner
& did to see Mr. Court
about some things. Pat
Lam. came down for
evening to talk over
some things.

Tue Sep 9th
with Benn. Will
meet. Monday, Sat. Sep.
13th - left the Laramie Hotel
a letter of delay. To
St. Croix. Then to
Terry to another mile of
Hullbrook. Then to Foster
& on Nov 25 to the
Some trouble from
with the mouth.
Established not yet.

met of Sh. P. m. no. 68.



Cointhology Notes



Sketch of a building
2. (Sketch of a building)
Sketch of a building

Expenses - return Ia - 24.

gas & oil	1.75
" " "	1.38
oil	.25
dinner	.75
bromo	.10
	<hr/> 40

ferry .30

supper .31

gas & oil .99

card .02

gas .75

lunch .07

to lunch .05

guide .13

food .20

total 1.17

1.17

2.23

.05

2.28

3.00

1.02

4.02

Left Bruce 6:15

- M.G. to top of Dav

- St. Tho, Blenheim

Windsor - K.C. -

- got Mict Arc thru

Gysalanti, Ann Arbor

Jackson, Mich, K.C.

to Buckle by car

by farm fire post

of Jackson, Mich

to K.C. from

Windsor

Left west of

Windsor 11:45

gas 1.50

gas & oil 1.00

oil 25¢

25¢ tip 10¢

food 30¢ Cig 7

patch 25¢

gas & oil 1.20

" " " 1.17

food 25

to be a ...
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..

... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

Mon July 7th Sun. July 13th incl.
Worked in office practically
all of each day. One day in
field with Thos. Spent every
night with I. S. Finkbeiner. 33

At Quarry paper & some of
def. paper. Wrote Shaller
July 12 that could not
meet him in Madria July
14th. (-150 C.P.L. - and)
Mon. July 14th.

Prepared to leave. Saw L.S.
at 11⁰⁰. Finally away at
6¹⁵ P.M. - to W. Liberty
for supper - Dar. - De Witt
Clinton - 9 miles east -
almost 1⁰⁰ A.M. Wrote L.S.
Pd. Vill 14²⁵, shirt^{etc} 6⁰⁰±,
Thos. 12.35, etc.

Tues. July 15.

To Chicago over Lincoln
shortly after noon. Dunes
Hwy (Ind. St. Rd 43)
from Mich. City to state
line where it becomes Ill.
Dinner 6⁴⁰ Mich. City

Passenger from early
morning to Chicago.

On to Watervliet & some
10 miles beyond - slept in car
? 171 miles from Detroit.

Mileage for day 222.

Wed. July 16.

Thru. Ka-yoo, B. Creek, Marshall,
Jackson, & Ann Arbor to
Det. by 5¹⁵ P.M. - Supper
in Windsor & on thru
Blenheim - rain - slept in
car. - 193 miles to Det.

Thurs. July 17

10 Bruce for breakfast.

Total mileage about 650 miles

- speedometer broken: not exact.

Expenses trip

Car	10 67
Food	1 60
Misc	3 49
	<hr/>
	15 76

Expenses - Can. trip.

supper	35
gas & oil	77
toll bridge	20
gas & oil	1 29
breakfast	25
gas & oil	1 95
drink	10
cards	05
envelope	14
gas & oil	1 37
gas	41
food	15
oil & gas	1 28
floor mat	90
gas & oil	1 29
cig. & drink	20
food 40	
" 15	
oil 15	30
gas 15	1 25
supper 15	
auto change 50	
gas 30	
total	49 15 - Clinton

Entomology Notes

Crawford 4000W
 on black night to Madison
 east to park - 1st drive to
 night - follow to western Ave.
 to 55 Bl. - out as same.
 to Mich.

4915

77	5380	5380	630
20	4915	4850	272
127	465	630	358
195	272	1.4	
137	193	888.0	
41		630	
128		2580	
129		2520	
30			
888			

465
117
582

465
117
582
465
117
582
465
117
582

S M T W Th F S
 3 4 5 6 7 2
 1 " " " " "

Fri. July 18 - Wed. July 30 incl.

Vacation - Pt. Bruce -

- Marg. Goodwin, Joan McIntosh -
J. Goughell. - Best for years.

Thurs. July 31 ^{Fri. 1st} - Aug 1 at incl.

Collecting with Thomas
+ Marshall Ray from Devon
at Thedford, Marsh's Mills +
Arkona. Drove to Bruce with

~~part~~ ^{part} Thomas
Aug 2 - 3 incl.

Vacation with Thomas
- Pt. Bruce

Aug. 4 ~~Sat.~~ Mon

To Toronto by evening.

Aug. 5 ~~Sun.~~ Tues

Registered B.A.A.S.

- Looked over campus -
old book stores - museum
- show

Aug. 6th - ~~Mon.~~ Wed.

Registered etc. in
morning. Driving with
Wallon, Coles, + Kuntz +
Thor. - Dinner with
Kuntz + Thor. - To
outcrops of limestone
along Huron River
(see Can. Bull). - collected
- to hear presidential
address by Major-gen.
Sir. David Bruce on
Prevention of disease
- could hear little of talk.
saw exhibits of scientific
apparatus & films.

Aug 7. - Thurs.

To hear papers in
morning - Dinner with Drs
Ray, Kuntz, + Thomas.
- Field trip to area near in
Toronto (see interview). To
reception - good time saw
talk with Dyer + Rich etc.

Acquaintances ~ B. A. A. S.

- 1 Wallon - Colo. U. - Anatomy
- 2 Coles - " " - Psychology
- 3 Kuntz, Albt - St. L. U. - Anatomy
- 4 Purks, W. A. - Toronto U. - Paleont. ^{Vert.} ^{Instr.}
- 5 Coleman, - " " - Inst. & Prof.
- 6 Dyer, - Can. Surv. - Rich. & Econ. Work
- 7 Snyder, L. L. - Tor. Museum - Birds & Mammals
- 8 Anderson, R. M. - Can. Surv. - Mammals ^{Ph.D. - Ia.}
- 9 Reynolds, S. H. - The U. with Steffensen - Bristol, Eng. - Geol.
- 10 Daly, Reg. A. - Harvard
- 11 Bather, F. A. - Kuper Brit. Museum - Geol. Sec. - archin.
- 12 Wilson, Muri - Can. Surv. - Pal.
- 13 Holmes, " ? Phil. - geol.?
- 14 Bayley, Ill. - Min. ^{Prof.}
- 15 Quirk, T. T. - Can. Surv. / Geol.
- 16 Milton - " - Pet. & Min. (Bayley)
- 17 Harrie - "
- 18 Falconer - Pres. U. of Toronto
19. Fairchild, H. L. - D. G. U. - retires
20. Landerback, - Cal. - Structural Geol.

21. Farr - Iowa - Biology
22. Stuart - " - Physics
23. Key - " - Geol.
24. Thomas - " - "

and planned full trip
for tomorrow. Dyer a
very likable fellow - and
an interesting talker.
His Richmond has
neither deep fauna nor
Eckhorn of Tulsa - i.e. we
not what we lack
in Iowa! Her oxygen
good for cutting. No
R. capax, nor C. sericeus!
Don't have H. occidentalis.

see p. 38, B.

Addresses

L. Cleveland - 7039 Homer St. - L. Mo.
B. Cox - 5412 - Ingleside Ave. Chi.
J. A. Culbertson - 5616 Kenwood, Chi.
O. Gray - 6741 Clayton St. - L. Mo.
C. Pishny Jr. Y.M.C.A. - Tulsa, Okla.
Hick Miller - 1111 Broadway, N.Y.

Frank Taylor & Quator, Jr.

Carroll York

Bedford

Bedford

Thurs. Aug. 14.

Drove to within few miles of
Dixon, Ill. & slept in car.

Fri. Aug. 15.

Reached Iowa City about 4⁰⁰ P.M.

Road bad - in ditch just west
of West Liberty. Read mail, etc.

To "Tiffin" with I. S. in evening.

Sat. Aug. 16.

Worked changing office &
cleaning old dark room with
Appel. Talked over Magworkite
with Tron. To dance in City Hall
with I. S. in evening.

Sun. Aug. 17.

Wrote 10 letters in morning
& worked all afternoon on new
office, etc. To show with I. S.
in evening - over to "Tiffin".

Mon. Aug. 18.

Left after some work at

10⁰⁰ A.M. Rain in ditch -

Davenport - Clinton - Fulton - Marshall
- Haron. - visit with Shipters.

Tues. Aug. 19.

Rain all night & morning
- examined collection of T. D. Shipter,
etc. Worked local Mag. rest
of day & got. & old mine (Eadie)

Wed. Aug. 20.

To famous Tunnel in Mag.
& saw "transition beds" of Iowa
in "Western" side of bridge. To
California Digging (Royal Prince
mine). Home, etc. in evening.

Thurs. Aug. 21.

Spent day in Ill. & Ill.
visiting mines. - Under...

"Connecting Link" and
"Call" - also T. S. mill.
Letter from A. O. T. & C. P. T.

Fri. Aug. 22.

To Elmore & Stockton
& other outcrop of Mag.

Sat Aug. 23.

Calciopu, in vic. di. Honore, 4
at Mon.

at 1000. - a - 1000

in Memory +

g. town - rain - 2 iron + mg.
m. Aug. 2nd

m. Aug. 2nd

Continued on next page

Atkinsin - camp. - noon - cleared

Mar, 90 - wrote, etc. parcel for
John - sister M.G., AUT, & Leavitt

i/He. Aug. 25 - Letter M.G., AUT, F.
 enclosed box at Ft. Alkinson

all day on Ft. At. lso

Chr. in several un-

collected much. Collected in Mexico

Swifton, A.R.L., I.O., & card to H.

Tues. Aug. 26.

Stamford, Conn., Sept. 20, 1874.

1. General - main with the subject

H. - ...

...ment - no more - ...

old place in the - it has been with to

[Handwritten signature]

40

[Faint, mostly illegible handwritten notes and sketches at the top of the page. Some words like "Lake" and "River" are visible.]

Pictures locations

Picture

Roll

✓	1	...	...
✓	
x	5	...	...
✓	
✓	
x		...	...
x		...	...
x		...	...

✓
✓
2A 7

Wedge of sand - close
up of sand - 1.5
Wedge of sand - close
up of sand - 1.5
8/15/22

2

✓

Wedge of sand - close
up of sand - 1.5
Wedge of sand - close
up of sand - 1.5
8/15/22

✓

2A

Wedge of sand - close
up of sand - 1.5
Wedge of sand - close
up of sand - 1.5
8/15/22

✓

2A

✓

Wedge of sand - close
up of sand - 1.5
Wedge of sand - close
up of sand - 1.5
8/15/22

✓

2A

✓

2A

✓

2A

X

2

Old Archdale quarry

Lower ad. 1. south

bank of road. North of

the middle of the road

side of Sec 4, Twp 14 N

- 8/24/23

✓

Mill Creek falling

near middle of road

between York & Mill

Creek - just above

connection with Mill

Creek

X

Lower ad. 1. south

bank of road. North of

the middle of the road

side of Sec 4, Twp 14 N

- 8/24/23

Mill Creek falling

near middle of road

between York & Mill

Creek - just above

connection with Mill

Creek

1922-1924

VIII

Ladd

(273)

X

Blairfield. 6/14/24

42

273

Ladd

VIII

1923-1924

X2 Old Orchard quarry
 on road to the south
 of the old Park of
 the county seat, near
 the middle of the creek
 and the 1/2 mile to the
 west of the town

✓ The creek flowing
 through the Mill
 Creek and the
 country south of the
 village

X The creek flowing
 through the country
 south of the village
 and the 1/2 mile to the
 west of the town

✓ The creek flowing
 through the country
 south of the village
 and the 1/2 mile to the
 west of the town

X The creek flowing
 through the country
 south of the village
 and the 1/2 mile to the
 west of the town

I
 The creek flowing
 through the country
 south of the village
 and the 1/2 mile to the
 west of the town

6 Centerville quarry - Ohio
 Dayton to North
 Bluff. 6/14/24

- 1 Centerville Quarry, Ohio.
 (Barnfield overlain by
 in slope of Dayton Co.
- 2-3 D. l. Talus (Hsp.) - slipping
 over N. 7. NW 1/4 Sec 8/
 Melville Twp. - Clayton Co.
 - standing on Col
4. 5 sec. time - Isotitus
 beds. - SE flowy trib. on
 right bank - left bank
 Little Turkey river Loc. 28
 (1928)

Daily Log

Sun. 9/3/22 Nothing out of ordinary
 - " 9/10/ - took Pop & Tad downtown
 (incl.) every morning and worked in
 my room most of each day.
 Am cataloging entire library
 - books, pamphlets, clippings, etc.
 Took Dot to ball game on
 afternoon. Shipton called
 me Sat Sep. 9. Went to see
 him at U., took him
 downtown (met Thomas) &
 brought him to house for
 lunch. Gave me letter
 of introduction to friend at
 Iowa, advised me on my
 report, etc. Took him to
 Ben's where we each
 had two drinks.
 Have done lots of work.
 - Hazel arrives Sun. evening 10th
 42

Left St. Louis morning of
Saturday Aug. 4th, 1923 in new Ford.
To Hannibal; crossed Miss. R. there
and continued up Ill. side, camping
for night just south of Quincy.
Into Quincy early Sunday
morning and on to Keokuk. North
in Iowa from Keokuk to
Iowa City arriving there about
9³⁰ same evening. Fair weather
Sat. except for early morning
thunder shower. Showers at
intervals Sunday. Roads dry
and fairly good in Mo. & Ill.
(dirt and graded for most part)
Practically all dirt in Iowa
- excellent when dry & graded but
very heavy to north - Red Ball
route.

Monday Aug 6 to Sat Aug 11

Spent in Ia. City - quite a
bit of reading & work done. Prof.
Thomas arrived ~~on~~ Friday morning.

Sept. 11. 1890. 1890.
From Sept 15. 1890 to
Nov. 1890.

From - Town of Big Lake
to Summit of Bull Mountain
S. 1000 ft. of Sac. Co.
+ S. 1000 ft. of P. Co.
and part of P. Co. but
not with the summit
of Bull Mountain
Thence to the summit
of Bull Mountain
The Mobile River to
Birmingham. Last from
Birmingham to the
unsuccessful attempt
to locate Penn. outcrops
mapped in n. cent part
of Dec 10, 1890, 1893.

From - Big Lake
to the summit of Bull Mountain
S. 1000 ft. of Sac. Co.
and part of P. Co.
Thence to the summit
of Bull Mountain
The Mobile River to
Birmingham. Last from
Birmingham to the
unsuccessful attempt
to locate Penn. outcrops
mapped in n. cent part
of Dec 10, 1890, 1893.

From - Big Lake
to the summit of Bull Mountain
S. 1000 ft. of Sac. Co.
and part of P. Co.
Thence to the summit
of Bull Mountain
The Mobile River to
Birmingham. Last from
Birmingham to the
unsuccessful attempt
to locate Penn. outcrops
mapped in n. cent part
of Dec 10, 1890, 1893.

on 2nd of Dec 32 (Buckley)
 near on. (Lith. (M. Buckle)
 Collected some of fossils
 in upper part of
 (Lith. (M. Buckle) self
 a mile from here and
 shifted them about 10
 feet for fossils
 in (Lith. (M. Buckle) self
 M.C. 32, Fairfield T.
 etc. etc.

Tuesday May 14
 Went to quarry - about 8
 miles north of 5th - east
 of road (2 1/2 miles) to
 St. Louis - look to see if
 any more fossils. Stopped
 for gas. Mr. S. (S. Buckle)
 who told me the legend
 of the ancient cave

Sunday May 16
 Went to quarry and
 collected some fossils
 in upper part of
 (Lith. (M. Buckle) self
 a mile from here and
 shifted them about 10
 feet for fossils
 in (Lith. (M. Buckle) self
 M.C. 32, Fairfield T.
 etc. etc.

Wednesday
 Went to quarry and
 collected some fossils
 in upper part of
 (Lith. (M. Buckle) self
 a mile from here and
 shifted them about 10
 feet for fossils
 in (Lith. (M. Buckle) self
 M.C. 32, Fairfield T.
 etc. etc.

Thurs - Aug. 16

51

From the time that
the weather
was so cold and dry

that the water in the
ponds was frozen and
the ground was so hard

that the cattle could
not go to the water

to get the water they
had to go to the
ponds and get the water

from the ice. Then
the cattle were so
starved that they died

of starvation.

On the 1st of
January the weather
was so cold and dry

that the water in the
ponds was frozen and
the ground was so hard

that the cattle could
not go to the water

to get the water they
had to go to the
ponds and get the water

from the ice. Then
the cattle were so
starved that they died

of starvation.

On the 1st of
January the weather
was so cold and dry

that the water in the
ponds was frozen and
the ground was so hard

The first part of the
 book is a history of the
 city of London from the
 time of the Romans to the
 present day. It is written
 in a very interesting and
 readable style, and is
 well illustrated with
 many fine engravings.
 The second part of the
 book is a history of the
 city of London from the
 time of the Saxons to the
 present day. It is written
 in a very interesting and
 readable style, and is
 well illustrated with
 many fine engravings.
 The third part of the
 book is a history of the
 city of London from the
 time of the Normans to the
 present day. It is written
 in a very interesting and
 readable style, and is
 well illustrated with
 many fine engravings.

The fourth part of the
 book is a history of the
 city of London from the
 time of the Tudors to the
 present day. It is written
 in a very interesting and
 readable style, and is
 well illustrated with
 many fine engravings.
 The fifth part of the
 book is a history of the
 city of London from the
 time of the Stuarts to the
 present day. It is written
 in a very interesting and
 readable style, and is
 well illustrated with
 many fine engravings.
 The sixth part of the
 book is a history of the
 city of London from the
 time of the Hanoverians to the
 present day. It is written
 in a very interesting and
 readable style, and is
 well illustrated with
 many fine engravings.
 The seventh part of the
 book is a history of the
 city of London from the
 time of the Georgians to the
 present day. It is written
 in a very interesting and
 readable style, and is
 well illustrated with
 many fine engravings.
 The eighth part of the
 book is a history of the
 city of London from the
 time of the Victorians to the
 present day. It is written
 in a very interesting and
 readable style, and is
 well illustrated with
 many fine engravings.
 The ninth part of the
 book is a history of the
 city of London from the
 time of the Edwardians to the
 present day. It is written
 in a very interesting and
 readable style, and is
 well illustrated with
 many fine engravings.
 The tenth part of the
 book is a history of the
 city of London from the
 time of the present day to the
 future. It is written
 in a very interesting and
 readable style, and is
 well illustrated with
 many fine engravings.

From St. Louis to
St. Paul, Minn. -
Sept 15 - 1891

From St. Paul, Minn. to
St. Louis, Mo. -
Sept 16 - 1891

Sept 15
St. Louis
Mo.

From St. Louis, Mo. to
St. Paul, Minn. -
Sept 17 - 1891

Sun. Sept 16
The Watouka Ill. -
struck passed west (Lewie
Highway) clear to St. Louis.
Arrived 12:55 P.M.
Total mileage for day
about 350 miles.

Tues. June 2
Arrived at St. Louis
at 11:00 P.M. -
of day - and of day -
outlet - to St. Louis for
night.

Wed. June 3
From St. Louis to St. Paul
Mo. - 1891
St. Paul, Minn. -
Sept 16 - 1891

a ~~leaking~~ blow out just after breakfast. Called on Mike Stafford in newspaper office while waiting for tire to be repaired.

Drove south of Dubuque to Sec. 22 & 27 of Mosalem Twp. to see Calvini upper Magnolites (transition) beds. Collected fossils for hour & studied sections in several ravines - wrote notes.

Back to Dubuque & went on No 5 & side road to Giff cut area - went up valley of Little Mag. & south of P.R. tracks near Epworth to camp.

Sun June 22.

Slept till 8⁰⁰ - cloudy

up & began to rain as we finished breakfast.

Wrote letters to C.P.L., A.R.L., Aug. F. Foerste, Dean McCourt, Mrs. Howell, and H.B. Peacock. Played cards with Tige. & ate dinner in car. Rain stopped at noon - greased car & drove to Plectambonites outcrop along Chi. Gt. West. tracks in Taylor Twp. - collected slabs & specimens. Drove north of New Vienna & camped along road - washing - notes, etc. & to bed. Looks like more rain - side roads bad. But Tige again at "rummy". Big wind & rain storm about 9⁰⁰ - glad we slept in car.

Mon. June 23.

North Through remained

of Dubuque Co. to
Graham in southern Clayton
county. Tried to locate
depauprate fauna - found
Isotelus beds but no
sharp contact of Galena
& Maquoketa. Across Turkey
River and to Elkport by
northern route - trying to
find Gal.-Mag. contact at
several points along way.
Mail (D.M.L., Pres Cox, &
H.V.S.) & food at Elkport
& south to EC part of Elk
Twp. to camp - left bank of
Elk creek. With help of
farmer located beautiful
exposure of lower Mag.
-overlying Gal. in creek
bed. Shall quarry

for lowest few inches
tomorrow. Bath, notes, etc
& to bed. But T. again at morning.
Visited old prospect tunnels
in Osage dol. in NW 1/4
Sec. 5, Milborne Twp.,
Clayton Co. in S-N
ravine tributary to
Turkey River - Clayton
Co. Also tried
unsuccessfully to
locate dep. fauna in
this area.

11/15

11/15 - 11/16

11/16 - 11/17

11/17 - 11/18

11/18 - 11/19

11/19 - 11/20

11/20 - 11/21

11/21 - 11/22

11/22 - 11/23

11/23 - 11/24

11/24 - 11/25

11/25 - 11/26

11/26 - 11/27

11/27 - 11/28

11/28 - 11/29

11/29 - 11/30

11/30 - 12/1

12/1 - 12/2

12/2 - 12/3

12/3 - 12/4

12/4 - 12/5

12/5 - 12/6

12/6 - 12/7

12/7 - 12/8

Initial Ford Exp.

	car - - - - -	443 28
	steering wheel - - -	15 00
	Speedometer - - -	17 50
	extra on tires - - -	
	Registration fee - - -	1 00
	Chains - - - - -	4 50
	tie lock (H.S.L.) - - -	1 25 - ?
	gas (about 6 gal) - - -	
<u>Regular</u>	oil (filled) - - -	
	gas (4) - - - - -	85
	bolt - - - - -	10

gts. Oil.
(filled by agent.)
(drained out)

1
1/2
1/2

15

10

15

35

15

15

1 20

15

25

25

25

25

1 20

Gasoline.

Gal

cost

6

4

4

6

(+ 1 qt. "Pinol")

1.69

4

4

4

3

@ 23

4

@ 24

5

3

@ 16 1/2

1

1

1

1

1

1

1

1

1

1

1

1

15

17

17

71

1 fan belt

Repairs

35

50.61

4 @ 16 1/2

1 @ 17

12

Livera

12

2 July @

4 gal @

1 qt. oil

1 gal. oil

Ygalgar@

CD

147

gas & oil

1.47

1.58
25

1.13.
1.72

96

1.25

1.35
1.48

.50

-the repair shoe

storage

23

Money

Leaving St. Louis Aug. 4th. \$105.00

Spent 50¢ - gas 1.36 - 6 gal + 1 qt. / turmpau 50¢
food 77 (Ty) 74
Cig + stamp 52¢ (Ty) 74
OK.

Ohio trip - no account kept
on food.

oil + gas 1.36 - 6 gal + 1 qt.	stumpau 50¢ (Tige)
70¢ + Tyan	bread etc. 15¢
28¢ Lard	choc. 10¢
milk + eggs - 15¢	plug + bolts 50¢
gas 93	food 77 (Ty) 74
	Cig + stamp 52¢ (Ty) 74

gm & oil 1.55
 food 20 (Ty)
 - " 50 (Ty)
 " 1.25 (Ty)

Correspondence

✓ ✓ ✓ ✓
 ✓ ✓ ✓ ✓
 ✓ ✓ ✓ ✓

✓ ✓ ✓ ✓
 ✓ ✓ ✓ ✓

Lists

Clothing, Bedding, etc.

1 Hunting coat

2 3 shoes (boots, tennis, ~~high shoes~~ ~~to cut~~)

3 kaikihi shirts (2 light - one heavy)

+ garters

6 pr. socks (2 knitted, one light wool -
2 light cotton)

3 suits B.V.D.

1 straw hat x

1 felt hat

1 good suit x

2 " shirts x

2 " collars x

collar buttons etc. (1 chain 3 keys, 2 pins)

ponchos

1 pr. cord. trousers

1 " old gray trousers

2 pr. blankets 5 lb. & lighter.

1 sea bag

1 pr. extra newish laces

6 Hk. - 4 bandanas - 4 linen

1 can oil for shoes

2 towels - bath & hand

1 tooth brush

1 tube tooth paste

1 comb

1 strof

1 tube shaving soap

1 razor

1 shaving brush

1 sewing kit

1 belt

2 sq. yds - mos. netting with
~~wire~~

1 neck tie X

1 bathing suit

1 slicker

Biological Material

1 2 field notebooks

1 personal "

12 colored pencils in case with even clips & guards

6 pens " 2-2H; 2-4H; 2-6H

1-6" ruler - 10ths & 50ths

1 compass with clinometer

2 hammers - pick & trimming

1 pocket lens

1 collecting bag

1 camera

7 rolls of film - (12 each)

2 hand level

2 cold chisels

2 bottles India ink - carmine & black
+ cloth wiper

2 protractor

1 notebook with trig problems

1 book Trig. tables

1 ink & pencil eraser

1 fine mapping pen - 2 pts.

1 coarse pen holder & pen

Paper secure - 2 sizes

1876

Pack camping outfit - 2 boxes.

Car in order - grease
pack met in office to go

~~Hand over dues & provide 2 paper~~
Theistic separate

Petrology ✓

Pay Mrs. H.

pack stuff in room

Finish St. Q paper - check by Tho.
after supper Turn over to Scott. ✓

~~Send out 10~~

forwarding address with Mrs. H.
bag food, etc.
See Tho.

1845. - Strat. & Pr. water haul
~~turn - change check~~

~~State notes~~

5 gal. v 1 pt. - 1.18 - gravel 66¢
" " " 2.00

~~outdoor field work & problems~~

Sed. work Tron

Hornell shore - 160

unperf. Min. fossils

~~Reg. check~~

Slide # 408 - replace

~~Write Bill form~~

See Rogers in July

~~Call on Dr. D. S. S.~~

~~Work & fossils to Thor.~~

~~St. George Paper~~

~~Write Forest~~

~~At H. Green Yellow~~

Norton & McGee ref. - add

Jul. Feb. - end of paper

~~1924 - 250.00 - add c p f~~

Pack camping outfit - 2 boxes.

Car in order - grease
pack met in office to go

~~Hand some dress & female 2 paper~~

Proctor's separate

Petrology ✓

Pay Mr. H.

pack stuff in room

Finish St. Q paper - check by Thos.

after supper turn over to Scott.

~~Examine at 10⁰⁰~~

forwarding address with Mr. H.

buy food etc.

See Thos.

1876

